



Henry Stremlau, P. E., BCEE
Environmental Project Manager

US EPA RECORDS CENTER REGION 5



585726

March 11, 2020

Ms. Charlene Falco
Remedial Project Manager
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

Dear Ms. Falco:

Re: February 2020 Monthly Progress Report for the Former Indian Refinery Site
Lawrenceville, Illinois

This February 2020 Monthly Progress Report is being submitted on behalf of Texaco Inc. (Texaco) for the above referenced Site. This report is submitted in accordance with Section V.8. (6)(a) of the October 2001 Consent Decree (CD) between the State of Illinois and Texaco. Work conducted during this reporting period included:

- Through the end of February, the Site One Team have logged a total of 1,162,917 incident free work hours;
- On February 3rd, water samples were collected and analyzed for monthly National Pollutant Discharge Elimination System (NPDES) parameters as specified in permit number IL0004219. Laboratory analytical results were received on February 12th;
- On February 15th, the waste water treatment system (WWTS) treated discharge was directed to the off-test area due to elevated river water levels which did not allow for gravity discharge from the WWTS. The waste water treatment system (WWTS) treated discharge was directed back to the river when water levels receded on February 16th;
- Illinois Environmental Protection Agency (IEPA) provided correspondence on February 20, 2020 confirming IEPA's discussion with Chevron Environmental Management Company (CEMC) on February 19, 2020 that IEPA will not be providing any additional comments on the Feasibility Study submitted on October 3, 2019. In accordance with the schedule provided on February 20, 2020, once IEPA provides a review of the responses to comments and agrees on the path forward, CEMC will provide a Revised FS to IEPA within 45 days;
- Field maintenance activities including placement of erosion control materials along the drainage ditch just south of C-Pond began during the week of February 24th;
- Due to wet soil conditions caused by precipitation, no soils in the biocells were treated in January;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall were conducted;

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- Site security and maintenance continued; and
- No significant problems occurred during this reporting period.

Activities planned for the month of March 2020 include:

- Collect water samples from Outfall 001 and analyze for quarterly NPDES parameters as specified in permit number IL0004219;
- CEMC submittal of a Response to IEPA Comments regarding the Feasibility Study;
- Continue grading of the Sulfate Land Application Pilot Test areas and apply gypsum if weather conditions allow;
- Potentially start the Separator 7 area pipe removal if the workplan is approved by IEPA;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall will continue;
- Continue site security and maintenance; and
- No significant problems are anticipated for the month of February 2020.

Please contact me at (832) 854-5662 with any questions regarding this submittal.

Sincerely,



Henry Stremlau, P.E., BCEE
Environmental Project Manager

cc: James Kropid, IEPA
Joe Girardi, Girardi Law LLC
Matt Mitchell, Trihydro

Dave Arnold, Stantec
Ronald Clark, IDPH
Mike Coffey, USFWS

Jay Timm, IEPA
Beth Whetsell, IDNR
Ray Mastrodonardo, Tetra-Tech

Tom Rinehart, CEMC
Giang-Van Nguyen, USEPA
Keith Rittle, Trihydro



Henry Stremmlau, P. E., BCEE
Environmental Project Manager

April 10, 2020

Ms. Charlene Falco
Remedial Project Manager
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

Dear Ms. Falco:

Re: March 2020 Monthly Progress Report for the Former Indian Refinery Site
Lawrenceville, Illinois

This March 2020 Monthly Progress Report is being submitted on behalf of Texaco Inc. (Texaco) for the above referenced Site. This report is submitted in accordance with Section V.8. (6)(a) of the October 2001 Consent Decree (CD) between the State of Illinois and Texaco. Work conducted during this reporting period included:

- Through the end of March, the Site One Team have logged a total of 1,165,510 incident free work hours;
- On March 2nd, water samples were collected and analyzed for quarterly National Pollutant Discharge Elimination System (NPDES) parameters as specified in permit number IL0004219. Laboratory analytical results were received on March 12th;
- On March 2nd, Chevron Environmental Management Company (CEMC) submitted to the Illinois Environmental Protection Agency (IEPA) *The Separator 7 Piping and Debris Removal Workplan*;
- On March 16th, IEPA provided review comments regarding the Separator 7 Piping and Debris Removal Workplan and requesting some additional documents;
- On March 16th, CEMC submitted to IEPA the April 2020 Proposed Groundwater Sampling Activities plan which details the sampling of the 27 Site perimeter groundwater monitoring wells scheduled for April of 2020;
- A Chevron /Lawrence County Community Advisory Council meeting was scheduled for March 17th. However due to COVID-19 concerns, this meeting was canceled;
- IEPA provided email correspondence on March 18, 2020 confirming IEPA's discussion with CEMC that IEPA will not be providing any additional comments on the Feasibility Study submitted on October 3, 2019. Comments from USEPA may still be forthcoming.
- On March 23rd, CEMC provided IEPA with a letter providing notification of potential delays to requirements set forth in the October 2001 Consent Decree due to COVID-19;
- On March 24th and 26th, the waste water treatment system (WWTS) treated discharge was directed to the off-test area due to elevated river water levels which did not allow for gravity discharge from the WWTS. The waste water treatment system (WWTS) treated

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discharge was directed back to the river when water levels receded on March 25th and 27th respectively;

- On March 30th a telephone conference was held that included representatives of IEPA legal and Chevron legal wherein the timing of Chevron responses to comments on the October 3, 2019 Feasibility Study was discussed in light of still pending comments from USEPA. During the discussion, it was agreed that Chevron would submit responses to all FS comments (both IEPA and USEPA comments) within 30 days after receipt of final comments from USEPA. The results of this discussion were then memorialized in an April 6, 2020 letter from IEPA presenting an updated timeline;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall were conducted;
- Site security and maintenance continued; and
- No significant problems occurred during this reporting period.

Activities planned for the month of April 2020 include:

- Collect water samples from Outfall 001 and analyze for monthly NPDES parameters as specified in permit number IL0004219;
- CEMC review of USEPA Comments regarding the Feasibility Study (if received);
- Sampling of the 27 perimeter groundwater monitoring wells on Site is scheduled for the week of April 13, 2020. Sampling will be conducted in accordance with the plan submitted to IEPA on March 16, 2020;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall will continue;
- Continue site security and maintenance; and
- No significant problems are anticipated for the month of April 2020.

Please contact me at (832) 854-5662 with any questions regarding this submittal.

Sincerely,



Henry Stremlau, P.E., BCEE
Environmental Project Manager

cc: James Kropid, IEPA
Joe Girardi, Girardi Law LLC
Matt Mitchell, Trihydro

Dave Arnold, Stantec
Ronald Clark, IDPH
Mike Coffey, USFWS

Jay Timm, IEPA
Beth Whetsell, IDNR
Ray Mastrodonardo, Tetra-Tech

Tom Rinehart, CEMC
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Keith Rittle, Trihydro



Henry Stremiau, P. E., BCEE
Environmental Project Manager

May 12, 2020

Ms. Charlene Falco
Remedial Project Manager
Illinois Environmental Protection Agency
1021 North Grand Avenue East
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Dear Ms. Falco:

Re: April 2020 Monthly Progress Report for the Former Indian Refinery Site
Lawrenceville, Illinois

This April 2020 Monthly Progress Report is being submitted on behalf of Texaco Inc. (Texaco) for the above referenced Site. This report is submitted in accordance with Section V.8. (6)(a) of the October 2001 Consent Decree (CD) between the State of Illinois and Texaco. Work conducted during this reporting period included:

- Through the end of April, the Site One Team have logged a total of 1,167,475 incident free work hours;
- On April 1st, water samples were collected and analyzed for monthly National Pollutant Discharge Elimination System (NPDES) parameters as specified in permit number IL0004219. Laboratory analytical results were received on April 9th;
- On April 8th, the wastewater treatment system (WWTS) treated discharge was directed to the off-test area due to elevated river water levels which did not allow for gravity discharge from the WWTS. The WWTS treated discharge was directed back to the river when water levels receded on April 9th;
- Chevron Environmental Management Company (CEMC) conducted annual sampling of the 27 perimeter groundwater monitoring wells on Site during the week of April 13, 2020. The sampling was conducted in accordance with the plan submitted to IEPA on March 16, 2020;
- On April 21st, the Illinois Environmental Protection Agency (IEPA) provided an update regarding the United States Environmental Protection Agency (USEPA) review of the October 3, 2019 Feasibility Study. Comments from USEPA are still forthcoming;
- On April 22nd, CEMC submitted to the IEPA a response to the IEPA comments regarding The Separator 7 Piping and Debris Removal Workplan originally submitted to the IEPA on March 2, 2020. CEMC also provided an updated workplan incorporating the requested changes as well as a copy of the Spill Prevention, Control, and Countermeasures (SPCC) plan dated April 3, 2020 and Trihydro and Entact Health and Safety Plans (HASPs) dated February 6, 2019 and February 18, 2020 respectively;
- On April 28th, the IEPA requested an electronic copy of the full Final Remedial Investigation (RI) report including; the final RI report dated September 2008, Baseline Human Health Risk Assessment Addendum #2 dated November 2017 (plus the replacement pages dated May 16, 2018), Baseline Ecological Risk Assessment Addendum dated November 2017, and

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the RI approval letter dated June 22, 2018. These items were provided to the IEPA via a SharePoint site on April 30th to be shared with USEPA;

- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall were conducted;
- Site security and maintenance continued; and
- No significant problems occurred during this reporting period.

Activities planned for the month of May 2020 include:

- Collect water samples from Outfall 001 and analyze for monthly NPDES parameters as specified in permit number IL0004219;
- CEMC review of USEPA Comments regarding the Feasibility Study (if received);
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall will continue;
- Continue site security and maintenance; and
- No significant problems are anticipated for the month of April 2020.

Please contact me at (832) 854-5662 with any questions regarding this submittal.

Sincerely,



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cc: James Kropid, IEPA
Joe Girardi, Girardi Law LLC
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Dave Arnold, Stantec
Ronald Clark, IDPH
Mike Coffey, USFWS

Jay Timm, IEPA
Beth Whetsell, IDNR
Ray Mastrodonardo, Tetra-Tech

Tom Rinehart, CEMC
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Henry Stremmlau, P. E., BCEE
Environmental Project Manager

June 12, 2020

Ms. Charlene Falco
Remedial Project Manager
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

Dear Ms. Falco:

Re: May 2020 Monthly Progress Report for the Former Indian Refinery Site
Lawrenceville, Illinois

This May 2020 Monthly Progress Report is being submitted on behalf of Texaco Inc. (Texaco) for the above referenced Site. This report is submitted in accordance with Section V.8. (6)(a) of the October 2001 Consent Decree (CD) between the State of Illinois and Texaco. Work conducted during this reporting period included:

- Through the end of May, the Site One Team have logged a total of 1,169,208 incident free work hours;
- On May 6th, water samples were collected and analyzed for monthly National Pollutant Discharge Elimination System (NPDES) parameters as specified in permit number IL0004219. Laboratory analytical results were received on May 14th;
- On May 13th, the Illinois Environmental Protection Agency (IEPA) provided an update regarding the United States Environmental Protection Agency (USEPA) review of the October 3, 2019 Feasibility Study. Comments from USEPA are still forthcoming;
- The annual community picnic and Site tours was scheduled for the month of May, 2020. However, due to COVID-19 concerns, this event was postponed;
- On May 22nd and 24th, the waste water treatment system (WWTS) treated discharge was directed to the off-test area due to elevated river water levels which did not allow for gravity discharge from the WWTS. The WWTS treated discharge was directed back to the river when water levels receded on May 23rd and 27th respectively;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall were conducted;
- Site security and maintenance continued; and
- No significant problems occurred during this reporting period.

Activities planned for the month of June 2020 include:

- Collect water samples from Outfall 001 and analyze for quarterly NPDES parameters as specified in permit number IL0004219;

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- Chevron Environmental Management Company review of USEPA Comments regarding the Feasibility Study (if received);
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall will continue;
- Continue site security and maintenance; and
- No significant problems are anticipated for the month of June 2020.

Please contact me at (832) 854-5662 with any questions regarding this submittal.

Sincerely,



Henry Stremlau, P.E., BCEE
Environmental Project Manager

cc: James Kropid, IEPA
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Henry Stremlau, P. E., BCEE
Environmental Project Manager

July 8, 2020

Ms. Charlene Falco
Remedial Project Manager
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

Dear Ms. Falco:

Re: June 2020 Monthly Progress Report for the Former Indian Refinery Site
Lawrenceville, Illinois

This June 2020 Monthly Progress Report is being submitted on behalf of Texaco Inc. (Texaco) for the above referenced Site. This report is submitted in accordance with Section V.8. (6)(a) of the October 2001 Consent Decree (CD) between the State of Illinois and Texaco. Work conducted during this reporting period included:

- Through the end of June, the Site One Team have logged a total of 1,171,294 incident free work hours;
- On June 4th, water samples were collected and analyzed for quarterly National Pollutant Discharge Elimination System (NPDES) parameters as specified in permit number IL0004219. Laboratory analytical results were received on June 29th;
- On June 29th, IEPA provided a letter approving the revised Separator 7 Piping and Debris Removal Workplan;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall were conducted;
- Site security and maintenance continued; and
- No significant problems occurred during this reporting period.

Activities planned for the month of July 2020 include:

- Collect water samples from Outfall 001 and analyze for monthly NPDES parameters as specified in permit number IL0004219;
- CEMC review of USEPA Comments regarding the Feasibility Study (if received);
- Resume loading, transport and disposal of the WWTS Primary Basin sediments if weather conditions allow;

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- Continue grading of the Sulfate Land Application Pilot Test areas. Sulfate land application is planned for the first part of August if weather conditions allow;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall will continue;
- Continue site security and maintenance; and
- No significant problems are anticipated for the month of July 2020.

Please contact me at (832) 854-5662 with any questions regarding this submittal.

Sincerely,



Henry Stremlau, P.E., BCEE
Environmental Project Manager

cc: James Kropid, IEPA
Joe Girardi, Girardi Law LLC
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Ronald Clark, IDPH
Mike Coffey, USFWS

Jay Timm, IEPA
Beth Whetsell, IDNR
Ray Mastrodonardo, Tetra-Tech

Tom Rinehart, CEMC
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Henry Stremiau, P. E., BCEE
Environmental Project Manager

August 11, 2020

Ms. Charlene Falco
Remedial Project Manager
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

Dear Ms. Falco:

Re: July 2020 Monthly Progress Report for the Former Indian Refinery Site
Lawrenceville, Illinois

This July 2020 Monthly Progress Report is being submitted on behalf of Texaco Inc. (Texaco) for the above referenced Site. This report is submitted in accordance with Section V.8. (6)(a) of the October 2001 Consent Decree (CD) between the State of Illinois and Texaco. Work conducted during this reporting period included:

- Through the end of July, the Site One Team have logged a total of 1,174,251 incident free work hours;
- On July 7th, water samples were collected and analyzed for monthly National Pollutant Discharge Elimination System (NPDES) parameters as specified in permit number IL0004219. Laboratory analytical results were received on July 15th;
- On July 9th and 24th, the waste water treatment system (WWTS) treated discharge was directed to the off-test area due to elevated pH levels above the daily discharge maximum. The WWTS treated discharge was directed back to the river when pH levels receded on July 24th and 30th respectively;
- Grading of the Sulfate Land Application Pilot Test areas was completed on July 15th;
- Chevron Environmental Management Company (CEMC) began transporting the Primary Basin sediments that were stockpiled in the Overflow Basin of the WWTS, to the Sumner Landfill on July 16th. A total of 1,117 tons were disposed in the month of July;
- A Chevron/Lawrence County Community Advisory Council meeting was held virtually (due to Covid-19 restrictions) the evening of July 21st;
- On July 31st, CEMC submitted to the Illinois Environmental Protection Agency (IEPA) a work plan for conducting a geotechnical investigation across Indian Acres South;
- An annual inspection and inventory of the trees and vegetation planted along the Embarrass River bank was completed by CEMC on July 31st as part of the stabilization project;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall were conducted;

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- Site security and maintenance continued; and
- No significant problems occurred during this reporting period.

Activities planned for the month of August 2020 include:

- Collect water samples from Outfall 001 and analyze for monthly NPDES parameters as specified in permit number IL0004219;
- CEMC review of USEPA Comments regarding the Feasibility Study (if received);
- Continue loading, transport and disposal of the WWTS Primary Basin sediments;
- Sulfate land application in the pilot test areas if weather conditions allow;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall will continue;
- Continue site security and maintenance; and
- No significant problems are anticipated for the month of August 2020.

Please contact me at (832) 854-5662 with any questions regarding this submittal.

Sincerely,



Henry Stremlau, P.E., BCEE
Environmental Project Manager

cc: James Kropid, IEPA
Joe Girardi, Girardi Law LLC
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Jay Timm, IEPA
Beth Whetsell, IDNR
Ray Mastrodonardo, Tetra-Tech

Tom Rinehart, CEMC
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Keith Rittle, Trihydro



Henry Stremmlau, P. E., BCEE
Environmental Project Manager

September 10, 2020

Ms. Charlene Falco
Remedial Project Manager
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

Dear Ms. Falco:

Re: August 2020 Monthly Progress Report for the Former Indian Refinery Site
Lawrenceville, Illinois

This August 2020 Monthly Progress Report is being submitted on behalf of Texaco Inc. (Texaco) for the above referenced Site. This report is submitted in accordance with Section V.8. (6)(a) of the October 2001 Consent Decree (CD) between the State of Illinois and Texaco. Work conducted during this reporting period included:

- Through the end of August, the Site One Team have logged a total of 1,177,402 incident free work hours;
- On August 5th, the waste water treatment system (WWTS) treated discharge was directed to the off-test area due to elevated river water levels which did not allow for gravity discharge from the WWTS. The WWTS treated discharge was directed back to the river when water levels receded on August 6th;
- On August 7th, Chevron Environmental Management Company (CEMC) submitted to the Illinois Environmental Protection Agency (IEPA) a work plan for conducting delineation sampling within the Floodplain Forest;
- On August 10th, water samples were collected and analyzed for monthly National Pollutant Discharge Elimination System (NPDES) parameters as specified in permit number IL0004219. Laboratory analytical results were received on August 14th;
- On August 13th, IEPA provided comments and questions regarding the *Indian Acres Geotechnical Investigation Work Plan* dated July 31, 2019 and the *Floodplain Forest Delineation Work Plan* dated August 7, 2019. CEMC provided a response to comments and revised work plans for both documents on August 31st;
- A total of 62.5 tons of gypsum was added and tilled into the Sulfate Land Application Pilot Test area in Tank Farm E and 37.5 tons in Tank Farm F between August 19-21st in accordance with the Workplan for Additional Sulfate Land Application Pilot Testing dated October 10, 2019;
- The April 2020 groundwater analytical results were submitted to the Illinois Environmental Protection Agency (IEPA) on August 20th;
- CEMC submitted the 2020 Annual Monitoring Report for the Embarras River Bank Stabilization Project to the United States Army Corps of Engineers on August 21st;

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- CEMC continued transporting the Primary Basin sediments that were stockpiled in the Overflow Basin of the WWTS, to the Sumner Landfill. A total of 2,372 tons were disposed in the month of August;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall were conducted;
- Site security and maintenance continued; and
- No significant problems occurred during this reporting period.

Activities planned for the month of September 2020 include:

- Collect water samples from Outfall 001 and analyze for quarterly NPDES parameters as specified in permit number IL0004219;
- CEMC review of USEPA Comments regarding the Feasibility Study (if received);
- Continue loading, transport and disposal of the WWTS Primary Basin sediments;
- A virtual Chevron/Lawrence County Community Advisory Council meeting is scheduled for the evening of September 15th;
- Potential geotechnical investigation in Indian Acres if the work plan is approved by IEPA;
- Supplemental irrigation in the sulfate pilot test area;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall will continue;
- Continue site security and maintenance; and
- No significant problems are anticipated for the month of September 2020.

Please contact me at (832) 854-5662 with any questions regarding this submittal.

Sincerely,



Henry Stremlau, P.E., BCEE
Environmental Project Manager

cc: James Kropid, IEPA
Joe Girardi, Girardi Law LLC
Matt Mitchell, Trihydro

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Ronald Clark, IDPH
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Beth Whetsell, IDNR
Ray Mastrolonardo, Tetra-Tech

Tom Rinehart, CEMC
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Keith Rittle, Trihydro



Henry Stremlau, P. E., BCEE
Environmental Project Manager

October 8, 2020

Ms. Charlene Falco
Remedial Project Manager
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

Dear Ms. Falco:

Re: September 2020 Monthly Progress Report for the Former Indian Refinery Site
Lawrenceville, Illinois

This September 2020 Monthly Progress Report is being submitted on behalf of Texaco Inc. (Texaco) for the above referenced Site. This report is submitted in accordance with Section V.8. (6)(a) of the October 2001 Consent Decree (CD) between the State of Illinois and Texaco. Work conducted during this reporting period included:

- Through the end of September, the Site One Team have logged a total of 1,180,611 incident free work hours;
- During the month of September, due to relatively dry conditions, there was no discharge through the waste water treatment system (WWTS) to the river. Therefore, water samples were not collected and analyzed for either monthly or quarterly National Pollutant Discharge Elimination System (NPDES) parameters as specified in permit number IL0004219;
- On September 11th, Chevron Environmental Management Company (CEMC) provided the United States Environmental Protection Agency and the Illinois Environmental Protection Agency (IEPA) with a pre-read of the Site overview presentation that will be used during a combined meeting on October 5, 2020;
- On September 15th, The United States Army Corps of Engineer (USACE) conducted a post-construction inspection of the Embarras River Bank Stabilization area to assess if the project is in compliance with the terms and conditions of the Nationwide Permit 13 and Nationwide Permit 33;
- A Chevron/Lawrence County Community Advisory Council meeting was held virtually (due to Covid-19 restrictions) the evening of September 15th;
- On September 17th, CEMC received an email with the findings from the USACE inspection of the Embarras River Bank Stabilization area, stating the project is in compliance and provided suggestions for weed management;
- CEMC finished transporting the Primary Basin sediments that were stockpiled in the Overflow Basin of the WWTS, to the Sumner Landfill on September 18th. A total of 879 tons were disposed in the month of September bringing the total sediments removed from the Primary Basin in 2019 and 2020 to 8,846 tons. A summary report of the sediment removal and disposal will be provided to IEPA;

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- On September 21st, IEPA provided a review and approval of the CEMC response to comments, the revised *Indian Acres Geotechnical Investigation Work Plan* and the revised *Floodplain Forest Delineation Work Plan* dated August 31, 2020;
- On September 22nd, CEMC submitted to the IEPA a notification of the use of Earth Exploration Inc. (a Terracon Company) to conduct the drilling and sample collection for the Indian Acres Geotechnical Investigation. CEMC also Provided notification that the work will begin on October 13, 2020;
- Supplemental irrigation of the Sulfate Land Application Pilot Test area was conducted throughout September in accordance with the Workplan for Additional Sulfate Land Application Pilot Testing dated October 10, 2019;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall were conducted;
- Site security and maintenance continued; and
- No significant problems occurred during this reporting period.

Activities planned for the month of October 2020 include:

- Collect water samples from Outfall 001 and analyze for monthly NPDES parameters as specified in permit number IL0004219;
- CEMC review of USEPA Comments regarding the Feasibility Study (if received);
- Geotechnical investigation in Indian Acres is planned to begin October 13th;
- Supplemental irrigation in the sulfate pilot test area;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall will continue;
- Continue site security and maintenance; and
- No significant problems are anticipated for the month of October 2020.

Please contact me at (832) 854-5662 with any questions regarding this submittal.

Sincerely,



Henry Stremlau, P.E., BCEE
Environmental Project Manager

cc: James Kropid, IEPA
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Henry Stremlau, P. E., BCEE
Environmental Project Manager

November 9, 2020

Ms. Charlene Falco
Remedial Project Manager
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Dear Ms. Falco:

Re: October 2020 Monthly Progress Report for the Former Indian Refinery Site
Lawrenceville, Illinois

This October 2020 Monthly Progress Report is being submitted on behalf of Texaco Inc. (Texaco) for the above referenced Site. This report is submitted in accordance with Section V.8. (6)(a) of the October 2001 Consent Decree (CD) between the State of Illinois and Texaco. Work conducted during this reporting period included:

- Through the end of October, the Site One Team have logged a total of 1,182,973 incident free work hours;
- On October 5th, Chevron Environmental Management Company (CEMC) provided an overview of the Site, remedial and Site maintenance tasks that have been completed to date, and the preferred remedies described in the FS, in a combined virtual meeting presentation with the United States Environmental Protection Agency and the Illinois Environmental Protection Agency (IEPA);
- On October 6th, CEMC provided IEPA a notification that they plan to start the Floodplain Forest delineation sampling on November 9th in accordance with the approved *Floodplain Forest Delineation Work Plan* dated August 31, 2020;
- CEMC conducted a geotechnical investigation across Indian Acres South between October 13-14th in accordance with the approved work plan dated August 31, 2020;
- On October 16th, CEMC submitted to the Illinois Environmental Protection Agency (IEPA) a work plan for conducting delineation sampling within the Tank Farm and Main Process Area;
- On October 21st, CEMC provided a copy of the results for the Eastern Sand Darter portion of the *Year Two Post-Construction T&E Species Survey for Incidental Take Authorization 171, Embarras River Bank Stabilization Project* to the Illinois Department of Natural Resources;
- During the month of September, due to relatively dry conditions, there was no discharge through the waste water treatment system (WWTS) to the Embarras river. Therefore, water samples were not collected and analyzed for either monthly or quarterly National Pollutant Discharge Elimination System (NPDES) parameters. However, after a sufficient rainfall, water samples were collected on October 29th and analyzed for quarterly NPDES parameters as specified in permit number IL0004219. As of the date of this report, the results have not yet been received;

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- On October 30th, IEPA provided comments and questions regarding the *Tank Farm and Main Processing Area Delineation Work Plan* dated October 16, 2020;
- Supplemental irrigation of the Sulfate Land Application Pilot Test area was conducted throughout October in accordance with the Workplan for Additional Sulfate Land Application Pilot Testing dated October 10, 2019;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall were conducted;
- Site security and maintenance continued; and
- No significant problems occurred during this reporting period.

Activities planned for the month of November 2020 include:

- Collect water samples from Outfall 001 and analyze for monthly NPDES parameters as specified in permit number IL0004219;
- Floodplain Forest Delineation sampling is planned to begin November 9th;
- A virtual Chevron/Lawrence County Community Advisory Council meeting is scheduled for the evening of November 17th;
- Quarterly groundwater monitoring of the sulfate pilot test area is planned for the week of November 30th;
- Supplemental irrigation in the sulfate pilot test area as needed;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall will continue;
- Continue site security and maintenance; and
- No significant problems are anticipated for the month of November 2020.

Please contact me at (832) 854-5662 with any questions regarding this submittal.

Sincerely,

A handwritten signature in blue ink, appearing to read 'H. Stremlau', is positioned above the typed name.

Henry Stremlau, P.E., BCEE
Environmental Project Manager

cc: James Kropid, IEPA
Joe Girardi, Girardi Law LLC
Matt Mitchell, Trihydro

Dave Arnold, Stantec
Ronald Clark, IDPH
Mike Coffey, USFWS

Jay Timm, IEPA
Beth Whetsell, IDNR
Ray Mastrolonardo, Tetra-Tech

Tom Rinehart, CEMC
Giang-Van Nguyen, USEPA
Keith Rittle, Trihydro



Henry Stremmlau, P. E., BCEE
Environmental Project Manager

December 10, 2020

Ms. Charlene Falco
Remedial Project Manager
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

Dear Ms. Falco:

Re: November 2020 Monthly Progress Report for the Former Indian Refinery Site
Lawrenceville, Illinois

This November 2020 Monthly Progress Report is being submitted on behalf of Texaco Inc. (Texaco) for the above referenced Site. This report is submitted in accordance with Section V.8. (6)(a) of the October 2001 Consent Decree (CD) between the State of Illinois and Texaco. Work conducted during this reporting period included:

- Through the end of November , the Site One Team have logged a total of 1,185,122 incident free work hours;
- Chevron Environmental Management Company (CEMC) conducted Floodplain Forest delineation sampling between November 9–13th in accordance with the approved work plan dated August 31, 2020;
- On October 30th, the Illinois Environmental Protection Agency (IEPA) provided comments and questions regarding the *Tank Farm and Main Processing Area Delineation Work Plan* dated October 16, 2020. CEMC provided a response to comments and revised work plan on November 16th;
- On November 17th, CEMC provided IEPA notification that on December 1st, we plan to start the first round of quarterly monitoring of the sulfate study area in accordance with the *Workplan for additional Sulfate Land Application Pilot Testing* dated October 10, 2019. CEMC also provided notification that we plan to begin Tank Farm and Main Processing Area delineation sampling on December 2nd;
- A Chevron/Lawrence County Community Advisory Council meeting was held virtually (due to Covid-19 restrictions) the evening of November 17th;
- On November 20th, IEPA provided a review and approval of the CEMC response to comments and the revised *Tank Farm and Main Processing Area Delineation Work Plan* dated November 16, 2020;
- On November 24th, water samples were collected and analyzed for monthly National Pollutant Discharge Elimination System (NPDES) parameters as specified in permit number IL0004219. Laboratory analytical results were received on December 7th;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall were conducted;

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- Site security and maintenance continued; and
- No significant problems occurred during this reporting period.

Activities planned for the month of December 2020 include:

- Collect water samples from Outfall 001 and analyze for quarterly NPDES parameters as specified in permit number IL0004219;
- Quarterly groundwater monitoring of the sulfate pilot test area is planned for the week of December 1st;
- Tank Farm and Main Process Area Delineation sampling is planned to begin December 2nd;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall will continue;
- Continue site security and maintenance; and
- No significant problems are anticipated for the month of December 2020.

Please contact me at (832) 854-5662 with any questions regarding this submittal.

Sincerely,



Henry Stremlau, P.E., BCEE
Environmental Project Manager

cc: James Kropid, IEPA
Joe Girardi, Girardi Law LLC
Matt Mitchell, Trihydro

Dave Arnold, Stantec
Ronald Clark, IDPH
Mike Coffey, USFWS

Jay Timm, IEPA
Beth Whetsell, IDNR
Ray Mastrolonardo, Tetra-Tech

Tom Rinehart, CEMC
Giang-Van Nguyen, USEPA
Keith Rittle, Trihydro



Henry Stremmlau, P. E., BCEE
Environmental Project Manager

January 8, 2021

Ms. Charlene Falco
Remedial Project Manager
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

Dear Ms. Falco:

Re: December 2020 Monthly Progress Report for the Former Indian Refinery Site
Lawrenceville, Illinois

This December 2020 Monthly Progress Report is being submitted on behalf of Texaco Inc. (Texaco) for the above referenced Site. This report is submitted in accordance with Section V.8. (6)(a) of the October 2001 Consent Decree (CD) between the State of Illinois and Texaco. Work conducted during this reporting period included:

- Through the end of December, the Site One Team have logged a total of 1,187,155 incident free work hours;
- On December 1st, water samples were collected and analyzed for quarterly National Pollutant Discharge Elimination System (NPDES) parameters as specified in permit number IL0004219. Laboratory analytical results were received on December 14th;
- Chevron Environmental Management and Real Estate Company (CEMREC) conducted the first round of quarterly groundwater monitoring of the sulfate study area between December 1-3rd in accordance with the *Workplan for additional Sulfate Land Application Pilot Testing* dated October 10, 2019. Because of wet conditions, sampling could not be performed at two groundwater monitoring wells. These wells will be sampled as soon as they are accessible;
- CEMREC began to conduct Tank Farm and Main Processing Area (TF/MPA) delineation sampling on December 2nd in accordance with the approved work plan dated November 16, 2020. Sampling continued through the end of the month;
- On December 4th, CEMREC submitted to the Illinois Environmental Protection Agency (IEPA) the Bioventing/Air Sparging Pilot Test Work Plan. Results of the pilot test will be used to inform remedial design;
- On December 7th, CEMREC submitted to IEPA, the Separator 7 Area Pre-Remedial Design Evaluation Report. The report provided the results of the initial bench scale, treatability study results to be used to develop target mixing for implementation of the full-scale field pilot testing;
- On December 10th, CEMREC provided a copy of the results for the Smooth Softshell Turtle and Eastern Ribbon Snake portion of the *Year Two Post-Construction T&E Species Survey*

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for Incidental Take Authorization 171, Embarras River Bank Stabilization Project to the Illinois Department of Natural Resources;

- On December 10th and 11th, IEPA provided a copy of their response to United States Environmental Protection Agency (USEPA) comments regarding ARARs within the Feasibility Study for the Former Indian Refinery, Lawrenceville, Illinois. IEPA also provided additional comments on the Feasibility Study regarding ARARs to CEMREC based on the comments they received from USEPA and a copy of edited text from USEPA in redline/strikeout format of Section 3.0 of the Feasibility Study (Remedial Action Objectives);
- On December 15th, CEMREC submitted to IEPA a report on the Waste Water Treatment System Primary Basin sediment removal activities which occurred in 2019 and 2020;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall were conducted;
- Site security and maintenance continued; and
- No significant problems occurred during this reporting period.

Activities planned for the month of January 2021 include:

- Collect water samples from Outfall 001 and analyze for monthly NPDES parameters as specified in permit number IL0004219;
- A virtual Chevron/Lawrence County Community Advisory Council meeting is scheduled for the evening of January 19th;
- TF/MPA delineation sampling is planned to continue in January. Additional delineation based on the results of the first round of sampling in the TF/MPA and the Floodplain Forest will also occur in January;
- Sampling of the two remaining groundwater monitoring wells for the Sulfate Land Application Pilot Study Area will occur once accessible;
- Monthly inspections of City sewer man-hole MH-5 in Tank Farm C and the sewer outfall will continue;
- Continue site security and maintenance; and
- No significant problems are anticipated for the month of January 2021.

Please contact me at (832) 854-5662 with any questions regarding this submittal.

Sincerely,



Henry Stremlau, P.E., BCEE
Environmental Project Manager

cc: James Kropid, IEPA
Joe Girardi, Girardi Law LLC
Matt Mitchell, Trihydro
David Penton, CEMREC

Dave Arnold, Stantec
Ronald Clark, IDPH
Mike Coffey, USFWS
Eric Hetrick, CEMREC

Jay Timm, IEPA
Beth Whetsell, IDNR
Ray Mastrolonardo, Tetra-Tech
John Aweeka, CEMREC

Tom Rinehart, CEMREC
Giang-Van Nguyen, USEPA
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